

INVENTOR: Amellia Luna and Jason Naxin Wang 09/933,599 ATTORNEY DOCKET #: Sony-50P3843.01 USSN: 09/933,599

OCT 23 2006



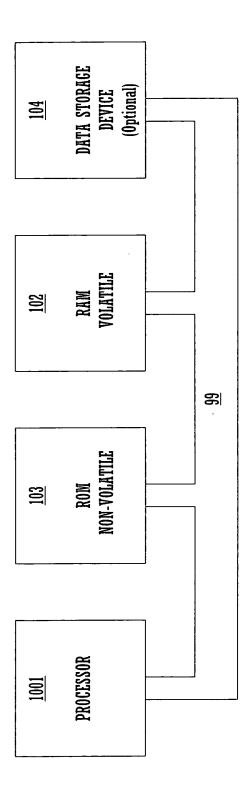


FIGURE 3



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CODE	LENGTH	VALUE
0 0 0	3	0, 1
0 1 0 0	4	0, 2
0 1 1 0	4	-
0 1 1 1 0	5	1, 1
10000	5	0, 3
10010	5	0, 4
101000	6	2, 1
101010	6	1, 2
101100	6	0, 5
101110	6	0, 6

FIGURE 4A

FIGURE 4B

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SYMBOL

İst

2nd

3rd

4th

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TITLE: METHOD AND SYSTEM FOR PREDICTIVE TABLE LOOK-UP OF CODE LENGTH OF VARIABLE LENGTH CODE

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500 6/10**BEGIN** INPUT A COMPRESSED BIT STREAM COMPRISING VARIABLE - 505 LENGTH SYMBOLS INTO DECODER PROCESSOR, THE BIT STREAM FORMS A VIDEO SEGMENT LOAD A PLURALITY OF BIT SEGMENTS FROM A BIT STREAM INTO - 510 A PLURALITY OF REGISTERS, STARTING AT THE LEADING EDGE OF THE BIT STREAM IN PARALLEL, USE THE VALUE IN EACH OF THE REGISTERS TO - 515 INDEX A TABLE OF VARIABLE LENGTH CODES TO OBTAIN A LOOK-UP RESULT FOR EACH - 520 DETERMINE WHICH OF THE LOOK-UP RESULTS ARE VALID ACCEPT THE LOOK-UP RESULT IF IT IS VALID PER LAST STEP. - 525 DISCARD IF INVALID - 530 IS THERE MORE DATA IN THE VIDEO SEGMENT BIT STREAM? NO YES ADVANCE THE VIDEO SEGMENT BIT STREAM BY THE SUM OF THE - 535 LENGTHS OF THE ACCEPTED VARIABLE LENGTH CODES **END**

FIGURE 5

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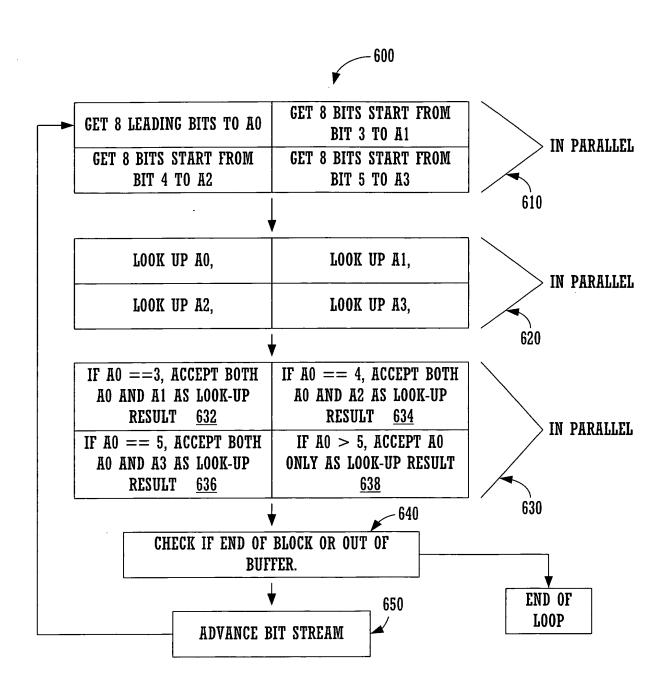


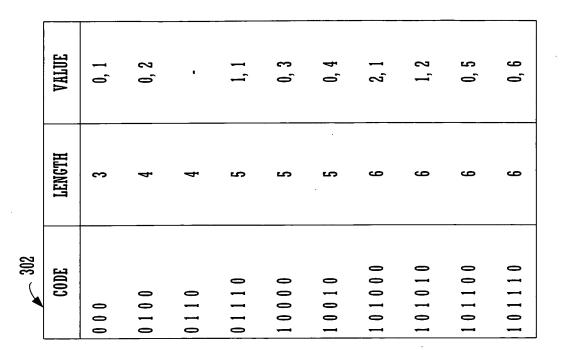
FIGURE 6A



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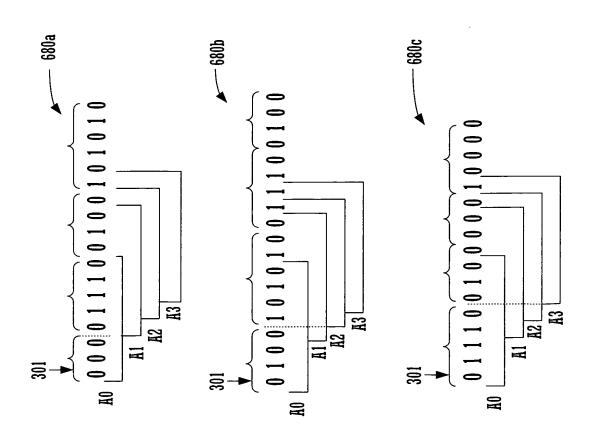


FIGURE 6B

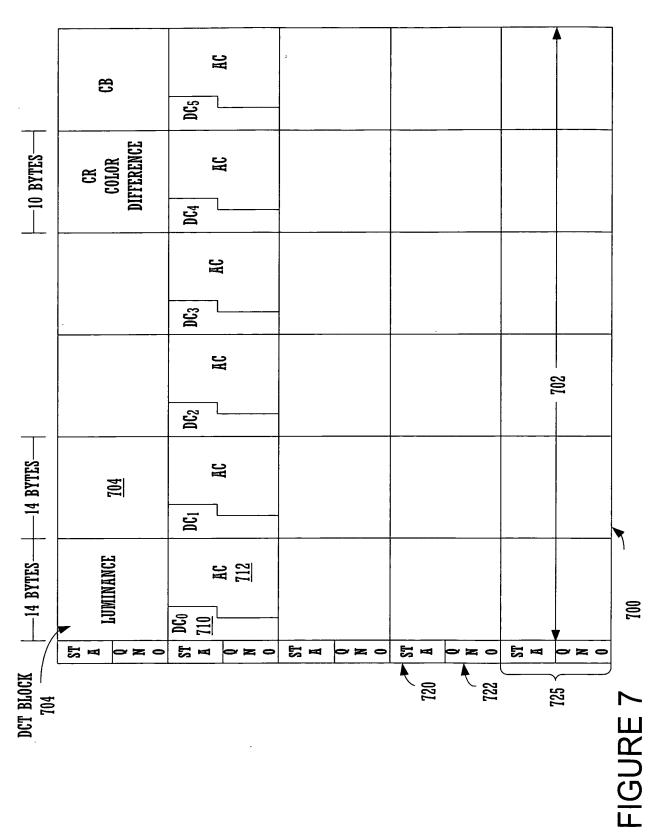
 $680 \longrightarrow 000011100100101010011100100000100000$

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